

ILLUMINATION SYSTEM

ABSTRACT

5 Illumination systems are disclosed, which include a plurality of light source modules,
each having a light-emitting surface, and a system of optical elements configured to image the
emitting surfaces onto an illumination target. The shape of the emitting surface or of the
image of the emitting surface produced by the system of optical elements may substantially
match the shape of the target. In addition, illumination systems are disclosed that utilize a
plurality of source modules having light-emitting surfaces of different colors. Furthermore,
10 the present disclosure is directed to illumination systems including a plurality of light source
modules disposed in an array within a non-radially symmetrical aperture and to illumination
systems in which the light source modules and the system of optical elements are configured
to form a plurality of channels aimed substantially into the illumination target.